

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/750,939E
Source: 1 Fwo
Date Processed by STIC: 12/28/04

ENTERED



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/750,939E

DATE: 12/28/2004

TIME: 21:29:23

Input Set : A:\niles non-provisional-US corrected 12-16-04.txt
 Output Set: N:\CRF4\12282004\J750939E.raw

3 <110> APPLICANT: Niles, Edward
 5 <120> TITLE OF INVENTION: Novel Inhibitors of Poxvirus Replication
 7 <130> FILE REFERENCE: 11520.0333
 9 <140> CURRENT APPLICATION NUMBER: US 10/750,939E
 10 <141> CURRENT FILING DATE: 2004-01-02
 12 <150> PRIOR APPLICATION NUMBER: US/60/437,945
 13 <151> PRIOR FILING DATE: 2003-01-02
 15 <160> NUMBER OF SEQ ID NOS: 20
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 7
 19 <212> TYPE: RNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <221> NAME/KEY: unsure
 24 <222> LOCATION: 6
 25 <223> OTHER INFORMATION: pox virus; n is g,a,u or c
 27 <400> SEQUENCE: 1

W--> 28 uuuuunu 7
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 7
 32 <212> TYPE: DNA
 33 <213> ORGANISM: artificial sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: nascent pox virus termination signal
 38 <400> SEQUENCE: 2

39 ttttttt 7
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 22
 44 <212> TYPE: RNA
 45 <213> ORGANISM: artificial sequence
 47 <220> FEATURE:
 48 <221> NAME/KEY: unsure
 49 <222> LOCATION: 14
 50 <223> OTHER INFORMATION: U5NU-22-mer oligo; n is g,a,u or c
 52 <400> SEQUENCE: 3

W--> 53 gggccggcuu uuunuuugcg uu 22
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 22
 58 <212> TYPE: RNA
 59 <213> ORGANISM: artificial sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: mutant- 22-mer oligo
 64 <400> SEQUENCE: 4

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65 gggccggcaa uuauuaugcg uu 22
 68 <210> SEQ ID NO: 5
 69 <211> LENGTH: 36
 70 <212> TYPE: RNA
 71 <213> ORGANISM: artificial sequence
 73 <220> FEATURE:
 74 <221> NAME/KEY: unsure
 75 <222> LOCATION: 23
 76 <223> OTHER INFORMATION: pGEM-U5NU-36-mer oligo n is g,a,u or c
 78 <400> SEQUENCE: 5

W--> 79 gggcgaaauug ggccggcuuu uunuuuugcgu ugaauu 36

82 <210> SEQ ID NO: 6
 83 <211> LENGTH: 36
 84 <212> TYPE: RNA
 85 <213> ORGANISM: artificial sequence
 87 <220> FEATURE:

W--> 88 <221> NAME/KEY:

89 <222> LOCATION:
 90 <223> OTHER INFORMATION: pGEM-Br-U5NU-36-mer; uracils at 8,9,18-26, 30, 31, 35 and
 91 36 are brominated

93 <400> SEQUENCE: 6
 94 gggcgaaauug ggccggcuuu uuuuuuugcgu ugaauu 36
 96 <210> SEQ ID NO: 7

97 <211> LENGTH: 27
 98 <212> TYPE: DNA
 99 <213> ORGANISM: artificial sequence

101 <220> FEATURE:
 102 <223> OTHER INFORMATION: transcription template plasmid oligo

104 <400> SEQUENCE: 7

105 aattggggcg gcttttttt tgcgttg 27

108 <210> SEQ ID NO: 8

109 <211> LENGTH: 22

110 <212> TYPE: DNA

111 <213> ORGANISM: artificial sequence

113 <220> FEATURE:

W--> 114 <221> NAME/KEY:

115 <222> LOCATION:
 116 <223> OTHER INFORMATION: dU5NdU oligo; 9-17 is deoxyuracil

118 <400> SEQUENCE: 8

119 gggccggcuu uuuuuuugcg uu 22

122 <210> SEQ ID NO: 9

123 <211> LENGTH: 22

124 <212> TYPE: RNA

125 <213> ORGANISM: artificial sequence

127 <220> FEATURE:

W--> 128 <221> NAME/KEY:

129 <222> LOCATION:

130 <223> OTHER INFORMATION: BrdU5NdU oligo; 9-17 is brominated deoxyuracil

132 <400> SEQUENCE: 9

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133 gggccggcuu uuuuuuuugcg uu 22
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 22
137 <212> TYPE: DNA
138 <213> ORGANISM: artificial sequence
140 <220> FEATURE:
W--> 141 <221> NAME/KEY:
142 <222> LOCATION:
143 <223> OTHER INFORMATION: T5NT
145 <400> SEQUENCE: 10
146 gggccggctt ttttttgcg uu 22
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 22
151 <212> TYPE: DNA
152 <213> ORGANISM: artificial sequence
154 <220> FEATURE:
W--> 155 <221> NAME/KEY:
156 <222> LOCATION:
157 <223> OTHER INFORMATION: mutant T5NT
159 <400> SEQUENCE: 11
160 gggccggcaa ttattatgcg tt 22
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 17
164 <212> TYPE: RNA
165 <213> ORGANISM: artificial sequence
167 <220> FEATURE:
168 <221> NAME/KEY: unsure
169 <222> LOCATION: 10
170 <223> OTHER INFORMATION: U5NU 17-mer oligo; n is a,g,u or c
172 <400> SEQUENCE: 12
W--> 173 cggcuuuuun uuugcgu 17
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 13
177 <212> TYPE: RNA
178 <213> ORGANISM: artificial sequence
180 <220> FEATURE:
181 <221> NAME/KEY: unsure
182 <222> LOCATION: 8
183 <223> OTHER INFORMATION: U5NU-13-mer oligo; n is a,g, u or c
185 <400> SEQUENCE: 13
W--> 186 gcuuuuunuu ugc 13
189 <210> SEQ ID NO: 14
190 <211> LENGTH: 9
191 <212> TYPE: RNA
192 <213> ORGANISM: artificial sequence
194 <220> FEATURE:
195 <221> NAME/KEY: unsure
196 <222> LOCATION: 6
197 <223> OTHER INFORMATION: U5NU-9-mer oligo; n is a,g,u or c

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199 <400> SEQUENCE: 14
W--> 200 uuuuuuuuuu 9
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 7
205 <212> TYPE: RNA
206 <213> ORGANISM: artificial sequence
208 <220> FEATURE:
209 <221> NAME/KEY: unsure
210 <222> LOCATION: 6
211 <223> OTHER INFORMATION: U5NU-7-mer oligo; n is a,g,u or c
213 <400> SEQUENCE: 15
W--> 214 uuuuunu 7
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 7
219 <212> TYPE: RNA
220 <213> ORGANISM: artificial sequence
222 <220> FEATURE:
W--> 223 <221> NAME/KEY:
224 <222> LOCATION:
225 <223> OTHER INFORMATION: mutant 7-mer
227 <400> SEQUENCE: 16
228 uuuuuau 7
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 22
232 <212> TYPE: DNA
233 <213> ORGANISM: artificial sequence
235 <220> FEATURE:
236 <221> NAME/KEY: unsure
237 <222> LOCATION: 14
238 <223> OTHER INFORMATION: DNA-U9-DNA oligo; n is g,a,u or c; 1-8 and 18-22 are DNA
240 <400> SEQUENCE: 17
W--> 241 gggccggcuu uuunuuuugcg uu 22
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 22
245 <212> TYPE: RNA
246 <213> ORGANISM: artificial sequence
248 <220> FEATURE:
249 <221> NAME/KEY: unsure
250 <222> LOCATION: 14
251 <223> OTHER INFORMATION: 2-prime-O-Me-RNA-PT-U9-2-prime-O-Me-PT-RNA oligo; n is g,a,u
or c; 1-8
252 and 18-22 are 2-prime-O methylated; 1-8 and 17-22 have phosphorthiol bonds
254 <400> SEQUENCE: 18
W--> 255 gggccggcuu uuunuuuugcg uu 22
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 22
259 <212> TYPE: DNA
260 <213> ORGANISM: artificial sequence
262 <220> FEATURE:
263 <221> NAME/KEY: unsure

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264 <222> LOCATION: 14
265 <223> OTHER INFORMATION: PT-DNA-U9-PT-DNA oligo; n is g,a,u or c; 1-8 and 18-22
266 are phosphorthiols; 9-17 are RNA
268 <400> SEQUENCE: 19
--> 269 gggccggcuu uuunuuuugcg uu 22
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 7
273 <212> TYPE: RNA
274 <213> ORGANISM: artificial sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: U5AU oligo
279 <400> SEQUENCE: 20
280 uuuuauu 7

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/28/2004
PATENT APPLICATION: US/10/750,939E TIME: 21:29:24

Input Set : A:\niles non-provisional-US corrected 12-16-04.txt
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lease Note:

use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> o <223> fields of each sequence which presents at least one n or Xaa.

eq#:1; N Pos. 6
eq#:3; N Pos. 14
eq#:5; N Pos. 23
eq#:12; N Pos. 10
eq#:13; N Pos. 8
eq#:14; N Pos. 6
eq#:15; N Pos. 6
eq#:17; N Pos. 14
eq#:18; N Pos. 14
eq#:19; N Pos. 14

VERIFICATION SUMMARY

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Input Set : A:\niles non-provisional-US corrected 12-16-04.txt
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L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:114 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:128 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:155 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:223 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0